OK

lth	Depth 6	Contents 7	Reference to last Measurement 8
—	12000		
—	48000		
—	72000		
—	12000		
—	1200		
—	3725		
—	500		
	182925 = CM		

RA Bill no 10 1st & final.

M.A.R. 57 (Rule 116)

Measurement Book No. C/09

231065

Serial No. BR-05/29-4-14

Name of work Drains & roads and draw From at Balaji layout in Towards No. 8

Name of Contractor of nature of Agency K. Narasimharaju

Date of commencement of work work order No. EE/BTP/BBMP/E-Part/13

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
Sheet no	① Earthwork excn by manual means in ordinary soil including all lifts and leads upto 2 coordinates etc complete						
	6th Cross Continue	2	30.00	0.45	0.25	6.75	Cum
	Main road	2	5.00	0.45	0.25	0.90	"
		2	30.00	0.45	0.25	6.75	"
		2	30.00	0.45	0.20	5.40	"
	Cross Road. 1	2	10.80	0.45	0.25	2.43	"
		2	30.00	0.45	0.25	6.75	
		2	30.00	0.45	0.20	5.40	
		2	30.00	0.45	0.20	5.40	
		2	30.00	0.45	0.35	9.45	
		2	19.80	0.45	0.30	5.35	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cross Road No-2	2	30.00	0.45	0.25	6.75	Cum
		2	30.00	0.45	0.25	6.75	"
		2	30.30	0.45	0.25	6.82	"
		2	20.00	0.45	0.20	3.60	
					Total	98.45	Cum
	Deduct (2) Removing BS Slab of drain and stacking Limited to 98.30 Cum @ Rs 82.00/Cum Rs 6420.60						
	6th Cross Continue.	1	30.00	-	1.35	40.50	Sqm
	Main road	1	5.00	-	1.35	6.75	
		2	30.00	-	1.35	81.00	
		2	30.00	-	1.35	81.00	
		2	10.80	-	1.35	29.16	
	Cross Road No 1	2	30.00	-	1.35	81.00	
		2	30.00	-	1.35	81.00	
		1	30.00	-	1.35	40.50	
		1	30.00	-	1.35	40.50	

Cr/Fe

Deep

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.
Bangalore.

M.A.R.

Meas

Serial No.....

Name of work.....Fr

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number
1	2	3
	Cross Road No-2	1
		2
		2
		2
	Deduct (5) Refixing of Slabs of drain and pointing etc. — Qty Sq	
	Deduct (1) Earthwork excn and formi Manual means in ordinary 6th Cross Continue 0 to 30	1

OOK

adth 5	Depth 6	Contents 7	Reference to last Measurement 8
45	0.25	6.45 Cum	
45	0.25	6.75 "	
45	0.25	6.82 "	
45	0.20	3.60	
	Total	28.49 Cum	
to 28.30 Cum @ Rs 82.00/Cum Rs 6420.60			
and Adding			
—	1.35	40.50 Sqm	
—	1.35	6.45	
—	1.35	81.00	
—	1.35	81.00	
—	1.35	29.16	
—	1.35	81.00	
—	1.35	81.00	
—	1.35	40.50	
—	1.35	40.50	

Cr/Fe Dep

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.
Bangalore.

M.A.R. 57 (Rule 116)

Measurement Book No. C/09

231066

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Cross Road No. 2	1	19.80	—	1.35	26.73 Sqm	
		2	30.00	—	1.35	81.00 "	
		2	30.00	—	1.35	81.00 "	
		2	30.30	—	1.35	81.80	
					Total	751.95 Sqm	
Decon No (3)	Rectifying of Slope of drain Limited to and painting etc. — duty Same as in item No (1)					751.68 Sqm @ Rs 45.00/M	Rs 33825.60
Decon No (4)	Earthwork excn and forming embankment by Manual means in ordinary soil.					i.e 751.68 Sqm @ Rs Cum/M	Rs 48107.60
6th Cross Continue 0 to 30		1	30.0	(6.7 + 6.5)/2	0.20	39.60 Sqm	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	30.00 – 35.00	1	5.00	$\frac{(6.50+6.80)}{2}$	0.20	6.65 Cum	
	Main road – 0.00 to 30.00	1	30.00	$\frac{(6.0+7.0)}{2}$	0.20	39.00 Cum	
	30.0 – 60.0	1	30.00	$\frac{(7.0+6.7)}{2}$	0.20	41.10 Cum	
	60.0 – 70.80	1	10.80	$\frac{(6.7+5.5)}{2}$	0.20	13.18	2
	Cross Road – 1 0.0 – 30.00	1	30.00	$\frac{(5.8+5.1)}{2}$	0.20	32.70	4
	30.0 – 60.00	1	30.00	$\frac{(5.1+5.1)}{2}$	0.20	30.60	4
	60.0 – 90.0	1	30.00	$\frac{(5.1+5.70)}{2}$	0.20	32.40	3
	90.0 – 120.00	1	30.0	$\frac{(5.7+5.7)}{2}$	0.20	34.20	3
	120 – 139.80	1	19.80	$\frac{(5.7+5.58)}{2}$	0.20	22.18	4
	Cross Road 0 – 2 0.0 to 30	1	30.00	$\frac{(5.4+5.8)}{2}$	0.20	33.60	1

Cu Ft Dep

M.A.R

Mea

Serial No.....

Name of work.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number
1	2	3
	30.00 – 60.00	1
	60.00 – 90.00	1
		1
		1
		1
		1

Depth 6	Contents 7	Reference to last Measurement 8
0.20	6.65 Cum	
0.20	39.00 Cum	
0.20	41.10 Cum	
0.20	13.18 "	
0.20	32.70 "	
0.20	30.60 "	
0.20	32.40 "	
0.20	34.20 "	
0.20	22.18 "	
0.20	33.61 "	

Cu Ft Cum

M.A.R. 57 (Rule 116)

Measurement Book No. C/09

231067

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	30.00 – 60.00	1	30.00	$\frac{5.80+5.70}{2}$	0.20	34.50 Cum	
	60.00 – 90.00	1	30.30	$\frac{5.40+6.60}{2}$	0.20	37.27 "	
		1	20.00	$\frac{5.8+5.7}{2}$	0.20	23.00	
					Total	419.97 Cum	
Deduct	Providing granite slab of Indian quality, surface dressed in Cm 1:6	Limited to 414.60 Cum				Rs 113.4 Rs 47,188.80 Cum	
		1	25.20	–	1.35	34.02 Cum	
		1	18.50	–	1.35	24.98 "	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	15.10	–	1.35	20.39	Sqm
		1	18.20	—	1.35	24.57	"
		1	16.50	–	1.35	22.28	"
		1	16.20	–	1.35	21.87	"
		1	15.00	—	1.35	20.25	"
		1	15.50	—	1.35	20.93	"
					Total	189.29	
	Providing ⑥ gauge Layering Spreading and Compacting graded Stone aggregate with mix Macadam etc.				Limited to	187.92	Cum
	Basis of Records						Sqm
	6th Cross Continue	1	30.00	0.90	0.15	4.05	Cum
	Main road	1	5.00	0.90	0.15	0.68	"
		1	30.00	0.90	0.15	4.05	"
		1	30.00	0.90	0.15	4.05	"
		1	6.80	0.90	0.15	1.46	"
	Cross Road No 1	1	30.00	0.90	0.15	4.05	"

C&E by Assistant Executive Engineer, Kodigehalli Sub Division, Yelahanka Zone, B.B.M.P., Bangalore.

M.A.R

Me

Serial No.....

Name of work.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number
1	2	3
		1
		1
		1
	6th Cross Continue - 0 to 30	1
	30.0 - 35.0	1
	Main road - 0.0 to 30.00	1
	30.0 — 60.00	1
	60.0 — 70.80	1
	Cross Road No 1 — 0 to 30	1

K

Depth 6	Contents 7	Reference to last Measurement 8
1.35	20.38	Sqm
1.35	24.57	〃
1.35	22.28	〃
1.35	21.87	〃
1.35	20.25	〃
1.35	20.93	〃
Total	189.28	
187.92	CM 315.00	M 315.00 Rs 59,194.80
ing grades	Sqm	Sqm
0.15	4.05	Cum
0.15	0.68	〃
0.15	4.05	〃
0.15	4.05	〃
0.15	1.40	〃
0.15	4.05	

Cafe by (3/3)

Assistant Executive Engr.
Kodigehalli Sub Divis
Yelahanka Zone, B.B.M.P.,
Bangalore.

M.A.R. 57 (Rule 116)

Measurement Book No. C/09 231068

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1	30.70	0.90	0.15	4.05	Cum
		1	30.00	0.90	0.15	4.05	〃
		1	19.80	0.90	0.15	2.67	〃
	6th Cross Continue - 0 to 30	1	30.0	(6.7+6.5)/2	0.15	29.70	〃
	30.0 - 35.0	1	5.0	(6.5+6.80)/2	0.15	4.99	〃
	Main road - 0.0 to 30.00	1	30.00	(6.0+7.1)/2	0.15	29.25	〃
	30.0 - 60.70	1	30.70	(7.0+6.70)/2	0.15	30.83	〃
	60.0 - 70.80	1	10.80	(6.7+5.50)/2	0.15	9.88	〃
	Cross Road no 1 - 0 to 30	1	30.0	(5.8+5.10)/2	0.15	24.53	〃

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	30.00 – 60.00	1	30.00	(5.1 + 5.10)/2	0.15	22.95	Cum
	60.00 – 90.00	1	30.00	(5.10 + 5.00)/2	0.15	24.30	1
	90.00 – 120.00	1	30.00	(5.9 + 5.70)/2	0.15	25.65	1
	120.00 – 139.80	1	19.80	(5.4 + 5.50)/2	0.15	16.63	1
	Cross Road. No 2 – 0 to 30	1	30.00	(5.4 + 5.80)/2	0.15	25.20	1
	30.00 – 60.00	1	30.00	(5.80 + 5.7)/2	0.15	25.88	1
	60.0 – 90.30	1	30.30	(5.7 + 6.6)/2	0.15	27.98	1
		1	20.00	(5.8 + 5.7)/2	0.15	17.25	1
					Total	344.04 Cum	
			Limited to 343.58 Cum			@ Rs 105.00	Rs 36085.22

Assistant Executive Engin
Kodigehalli Sub Divisi
Yelahanka Zone, B.B.M
Bangalore.

M.A.R
Me

Serial No.....

Name of work.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number
1	2	3
	Reason No (3) for applying proposed Surface 6th Cross Continue- 0 to 30 m	proposed or going 1
	30.0 – 360.0 m	1
	Main road 0 to 30 m	1
	30.0 to 60 m	1
	60.0 – 90.80	1
	Cross Road. No 1 0 to 30	1

OOK

dth	Depth 6	Contents 7	Reference to last Measurement 8
5.10)	0.15	22.95	Cum
+ 5.70)	0.15	24.30	"
+ 5.70)	0.15	25.65	"
+ 5.50)	0.15	16.63	"
+ 5.80)	0.15	25.20	"
+ 5.70)	0.15	25.88	"
6.60)	0.15	27.98	
+ 5.70)	0.15	17.25	
	Total	344.08	Cum
343.58	Cum	@ Rs 105/cum	Rs 36085.22

Cum

Assistant Executive Engin
Kodigehalli Sub Divisi
Yelahanka Zone, B.B.M
Bangalore.

M.A.R. 57 (Rule 116)

Measurement Book No. C/09 231069

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Providing & applying primer Coat with bitumen emulsion on prepared surface or granular base.						
	6th Cross Entrance. 0 to 30 m	1	30.00	(6.7+6.50)/2	-	198.00 Sqm	
	30.0 to 35.0 m	1	5.00	(6.50+6.80)/2	-	33.25	"
	Main road. 0 to 30 m	1	30.00	(6.0+7.0)/2	-	195.00	"
	30.0 to 60 m	1	30.00	(7.0+6.70)/2	-	205.50	"
	60.0 - 70.80	1	10.80	(6.7+5.50)/2	-	65.88	"
	Cross Road. 0 to 30	1	30.00	(5.8+5.1)/2	-	163.50	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	30.0 - 60.0	1	30.00	(5.1+5.1)/2	–	153.0 Sqm	
	60.0 - 90.0	1	30.00	(5.1+5.7)/2	–	162.00	
	90.0 - 120.00	1	30.00	(5.7+5.7)/2	–	171.0	
	120 - 139.80	1	19.80	(5.7+5.5)/2	–	110.88 Sqm	
	Gopi Road. No.2 Area of drains per Lft						
	0 to 30 -	1	30.00	(5.4+5.8)/2	–	168.00	
	30.00 - 60.00	1	30.00	(5.8+5.70)/2	–	172.50	
	60.0 - 90.30	1	30.30	(5.7+6.60)/2	–	186.35	
		1	20.00	(5.8+5.7)/2	–	115.00	
						Total 2099.88 Sqm	
	Item No (8) providing and laying 6cm deep bituminous Concrete 25mm thk with 100 - 150 TPH etc Complete		Limited to 2088.60 Sqm @ Rs 4.00/M			Rs 8760.00	
	6th Cooperative Colony 0-30	1	30.00	(6.4+6.5)/2	0.025	4.95 Cum	

[Measurement Contd @ No - 231096 of 9MB

Assistant Executive Engineer
JP Nagar Sub Division
Yelahanka Zone, B.B.M.P.
Bangalore.

CE/TC
Dy

Serial No.....

Name of work..... Improvement of Rd in ward no: 8

Name of Contractor of nature of Agency

Date of commencement of work.....

Date	Full description, etc, of work	
1	2	
	premeasurement	
<17	Removing of B.C slab	
	80 to 7th cross	LHS
		RHS
	6th cross	LHS
		RHS
		LHS
		RHS

CFC
Dy. AEE 29/04/2011 Rcd

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
				IT –	12000 —		
				VAT –	48000 —		
				Fsh	72000 —		
				Lab –	12000 —		
				Cash –	1200 —		
				Roy –	37225 —		
				Fine	500 —		
					Total 182925=00		

RA Bill old

M.A.B

Me

Serial No. BR-05/29-4-14

Name of work Repairs of roads and dra

Name of Contractor of nature of Agency. K

Date of commencement of work work orde

Date	Full description, etc, of work	Number
1	2	3
Record	① Earthwork excn by manual ordinary in all soils for ordinary ... 6th Cross Continue	2
	Main road	2
		2
		2
		2
	Cross Road. 1	2
		2
		2
		2
		2
		2